

## 03040202-170

### (Lake Swamp)

#### General Description

Watershed 03040202-170 is located in Florence and Williamsburg Counties and consists primarily of **Lake Swamp** and its tributaries from Singleton Swamp to its confluence with the Lynches River. The watershed occupies 23,417 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Foreston-Rains series. The erodibility of the soil (K) averages 0.18; the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 42.5% agricultural land, 30.4% forested land, 14.3% scrub/shrub land, 12.3% forested wetland (swamp), 0.4% urban land, and 0.1% water.

This section of Lake Swamp accepts drainage from its upstream reach and flows into the Lynches River. There are a total of 44.1 stream miles in this watershed and a few ponds totaling 27.2 acres. Lake Swamp is classified FW\* (Dissolved oxygen not less than 4.0 mg/l and pH between 5.0 and 8.5) and the remaining streams in the watershed are classified FW.

#### Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-087	S	FW*	LAKE SWAMP AT SC 341 2.6 MILES W OF JOHNSONVILLE

**Lake Swamp (PD-087)** - Aquatic life uses are fully supported; however, there is a significant increasing trend in turbidity. There is a significant increasing trend in pH. This is a blackwater swamp system, characterized by naturally low dissolved oxygen concentrations. Although dissolved oxygen excursions occurred, they were typical of values seen in blackwater swamps and were considered natural, not standards violations. A significant decreasing trend in five-day biochemical oxygen demand suggests improving conditions for this parameter. Recreational uses are fully supported.

#### Growth Potential

There is a low potential for growth in this watershed, which contains a portion of the Town of Johnsonville.